|                | Index of Claims                         |          |          |                     |           |          |           |          |          |                 |           |           |            | Application/Control No. |                        |           |           |          |             |               |              |                    |          | Applicant(s)/Patent under |               |                 |          |        |          |           |           |          |           |  |  |
|----------------|---|----------|----------|---------------------|-----------|----------|-----------|----------|----------|-----------------|-----------|-----------|------------|-------------------------|------------------------|-----------|-----------|----------|-------------|---------------|--------------|--------------------|----------|---------------------------|---------------|-----------------|----------|--------|----------|-----------|-----------|----------|-----------|--|--|
|                |   |          |          |                     |           |          |           |          |          |                 |           |           |            | _                       | 00/000 0/5             |           |           |          |             |               |              |                    |          |                           | Reexamination |                 |          |        |          |           |           |          |           |  |  |
|                |   |          |          |                     |           |          |           |          |          |                 |           |           |            | 09/900,945<br>Examiner  |                        |           |           |          |             |               |              |                    |          | SAITO, TOSHITADA          |               |                 |          |        |          |           |           |          |           |  |  |
|                | 1   E                                   |          |          |                     |           |          |           |          |          |                 |           |           |            |                         |                        |           |           |          |             |               |              |                    |          | Art Unit                  |               |                 |          |        |          |           |           |          |           |  |  |
| <del>,</del> . | 310 300 300 300 300 300 300 300 300 300 |          |          |                     |           |          |           |          |          |                 |           |           |            |                         | John P. Trimmings      |           |           |          |             |               |              |                    |          | 2138                      |               |                 |          |        |          |           |           |          |           |  |  |
|                |   |          |          |                     |           |          |           |          |          |                 |           |           |            |                         |                        |           | _         | Г        |             |               |              |                    |          | _                         |               |                 |          |        |          |           |           |          |           |  |  |
|                | √ Rejec                                 |          |          |                     |           |          |           |          |          | _               |           | (TI       | hrou<br>C  | igh r                   | gh numeral)<br>ncelled |           |           |          |             |               | Non-Electe   |                    | ted      | 1                         | A             | Appeal          |          |        |          |           |           |          |           |  |  |
|                |   |          |          |                     |           |          |           |          | _        | <u> </u>        |           | Cancelled |            |                         |                        |           |           |          | <del></del> |               |              |                    | -        |                           |               |                 |          |        |          |           |           |          |           |  |  |
|                |   |          | =        | Α                   | llo       | we       | ved       |          |          | ÷               |           |           | Restricted |                         |                        |           |           |          | 1           | In            | ter          | fere               | nce      |                           |               | (               | Obje     | ecte   | ed       | }         |           |          |           |  |  |
|                |   |          | _        |                     |           |          |           | J        |          | <u></u>         | <u> </u>  |           |            |                         |                        |           |           |          | L           |               |              |                    |          |                           |               | Ш               | <u> </u> |        |          |           |           |          |           |  |  |
|                | Cla                                     | im       |          |                     |           | [        | Dat       | e        |          | $\overline{}$   |           |           | CI         | aim                     | <u> </u>               |           |           |          | ate         |               |              |                    |          |                           | Claim         |                 | Date     |        |          |           |           |          |           |  |  |
|                | ā                                       | nal      | 12/13/05 |                     |           |          |           |          |          |                 |           |           | <u>=</u>   | <u>an</u>               |                        |           |           |          |             |               |              |                    | İ        | <u>-</u>                  | <u> </u>      |                 | ĺ        | :      |          |           |           |          |           |  |  |
| İ              | Final                                   | Original | 12/13    |                     |           |          |           |          |          |                 |           |           | Final      | Original                |                        |           |           |          |             |               |              |                    |          | Final                     | Original      |                 |          |        |          |           |           |          | 1         |  |  |
|                |   | 1        | 7        |                     | _         |          |           | _        | L        | -               | Н         |           |            | 51                      | ļ                      | _         |           | _        | 4           | $\dashv$      | 4            | +                  | 4        | L                         | 101           | $\vdash$        |          | $\bot$ | -        |           | $\sqcup$  | _        | _         |  |  |
|                |   | 2        |          |                     |           |          |           |          | <u> </u> | -               |           | ŀ         |            | 52                      | -                      | -         | -         | _        | $\dashv$    | +             | +            | +                  | _        | H                         | 102           | $\vdash$        | -        | +      | -        |           | $\vdash$  | $\dashv$ | $\dashv$  |  |  |
|                |   | 3        | 1        |                     |           |          |           |          |          |                 |           |           |            | 53                      |                        |           |           |          |             | 4             | 7            | $\perp$            | 7        |                           | 103           |                 | 1        | 1      |          |           |           |          |           |  |  |
| ŀ              |   | 5        | 1        | $\dashv$            | $\dashv$  |          |           |          | -        |                 | Н         |           |            | 54<br>55                |                        | Н         | _         | $\dashv$ | $\dashv$    | +             | +            | +                  | $\dashv$ |                           | 104           | $\vdash$        | - -      |        | $\vdash$ |           | $\vdash$  | $\dashv$ | $\dashv$  |  |  |
|                |   | 6        | 1        |                     |           |          |           |          |          |                 |           | j         |            | 56                      |                        |           |           |          |             |               | 1            | $\perp$            |          |                           | 106           |                 |          |        |          |           |           |          |           |  |  |
|                |   | 7<br>8   | 1        |                     | $\dashv$  |          |           | L        | ┝        | _               |           |           |            | 57<br>58                |                        | _         |           |          | +           | _             | 4            | +                  | _        | <u> </u>                  | 107<br>108    | $\vdash$        | -        | +      | _        | _         |           | 4        | _         |  |  |
|                |   | 9        | 1        |                     |           |          |           |          |          |                 |           |           |            | 59                      |                        |           |           | $\dashv$ | $\dashv$    | $\dashv$      |              | +                  |          |                           | 109           | ++              |          |        |          | -         | $\dashv$  | $\dashv$ | _         |  |  |
|                |   | 10       | 1        |                     |           |          |           |          |          |                 |           |           |            | 60                      |                        |           |           | $\Box$   |             |               | 1            | $\perp$            |          |                           | 110           |                 |          |        |          |           |           | 4        |           |  |  |
| ł              |   | 11<br>12 | 7        | _                   | -         |          |           | -        | -        | $\vdash$        | $\dashv$  | <br>      |            | 61<br>62                | -                      | -         |           | $\dashv$ | ╣           | $\dashv$      | +            | +                  | $\dashv$ | -                         | 111<br>112    | $\vdash$        | +        | +      | ┝        |           | $\dashv$  | +        | -         |  |  |
| -              |   | 13       |          |                     |           |          |           |          |          |                 |           |           |            | 63                      |                        |           |           |          |             |               |              | ⇉                  |          |                           | 113           |                 |          |        |          |           |           |          |           |  |  |
|                |   | 14<br>15 | $\vdash$ | -                   |           |          |           | _        | <u> </u> | H               |           |           |            | 64<br>65                | $\vdash$               |           | $\dashv$  | $\dashv$ |             | +             | _            |                    | $\dashv$ |                           | 114<br>115    | $\vdash$        | -        | +      | ├-       | _         | -         |          | _         |  |  |
|                |   | 16       |          |                     |           |          |           |          |          |                 |           |           |            | 66                      |                        |           |           |          |             | 士             | $\perp$      |                    |          |                           | 116           |                 |          |        |          |           |           |          |           |  |  |
|                | ,                                       | 17<br>18 | _        |                     |           |          |           |          | <u> </u> | $\vdash$        |           |           |            | 67<br>68                | _                      |           |           |          | 4           | $\perp$       | $\perp$      | +                  | 4        | _                         | 117<br>118    |                 |          | $\bot$ | L        |           |           | _        |           |  |  |
| į              |   | 19       |          | $\exists$           |           |          |           |          |          |                 |           | ŀ         |            | 69                      |                        |           | 7         |          | $\dashv$    | +             | +            | $\dagger$          | ┪        | _                         | 119           | H               |          | +      | -        | $\vdash$  |           | $\dashv$ | $\dashv$  |  |  |
| -              |   | 20<br>21 | _        | $\dashv$            | $\dashv$  |          |           |          | ļ        |                 |           |           |            | 70<br>71                |                        |           | $\dashv$  |          | $\dashv$    | $\dashv$      | _            | $\perp$            |          |                           | 120           | П               | 4        |        |          |           |           | $\dashv$ |           |  |  |
| -              |   | 22       | -        | $\dashv$            | $\dashv$  | $\dashv$ |           | -        | -        | Н               |           | ŀ         |            | 72                      |                        |           | -         |          | +           | +             | +            | +                  | $\dashv$ | $\vdash$                  | 121           | 1-1             | +        | +      | $\vdash$ |           |           | +        | _         |  |  |
| [              |   | 23       |          | $\Box$              |           |          |           |          |          |                 |           |           |            | 73                      |                        |           |           | $\Box$   | 1           | 1             | 1            | 1                  |          |                           | 123           |                 |          |        |          |           | $\Box$    | $\perp$  |           |  |  |
| ł              |   | 24<br>25 | H        | $\dashv$            | $\dashv$  | -        |           |          | -        |                 | H         |           |            | 74<br>75                | Н                      | -         |           | $\dashv$ | $\dashv$    | $\dashv$      | +            | ╬                  | -        | _                         | 124<br>125    | ╁┼              | +        | +      |          |           | $\dashv$  | +        | $\dashv$  |  |  |
| ļ              |   | 26       |          |                     |           |          |           |          |          |                 |           | Į         |            | 76                      |                        |           |           |          | #           | $\Box$        | $\downarrow$ | #                  |          |                           | 126           |                 |          |        |          |           |           |          |           |  |  |
| -              |   | 27<br>28 |          | -                   | $\dashv$  | -        | _         |          |          | H               | $\dashv$  | -         |            | 77<br>78                |                        | $\dashv$  | -         | $\dashv$ | -           | $\dashv$      | +            | +                  | -        | _                         | 127<br>128    | $\vdash \vdash$ | +        | +      |          |           | -         | 4        | _         |  |  |
|                |   | 29       |          |                     |           |          |           |          |          |                 |           | ľ         |            | 79                      |                        |           |           |          | 1           |               |              |                    |          |                           | 129           |                 | 士        | 1      |          |           |           |          |           |  |  |
| -              |   | 30<br>31 | _        | -                   | -         |          |           |          | _        | $\vdash$        | 4         | -         |            | 80<br>81                |                        | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$    | $\dashv$      | +            | -                  | 4        | _                         | 130           |                 | 4        | -      | -        |           | 4         |          | _         |  |  |
|                |   | 32       |          |                     |           |          |           |          |          |                 |           | -         |            | 82                      |                        |           |           |          | $\dashv$    |               | +            | +                  | 1        | -                         | 132           | H               | +        | ╁      |          |           | $\dashv$  | $\dashv$ | $\dashv$  |  |  |
|                |   | 33       |          | $\dashv$            | _         | _        |           |          |          |                 |           |           |            | 83                      |                        |           |           |          | 4           | $\Box$        | $\bot$       | 7                  |          |                           | 133           |                 |          |        |          |           |           | 4        |           |  |  |
| }              | -                                       | 34<br>35 |          | $\dashv$            | -         | $\dashv$ |           | H        |          | Н               |           | ŀ         |            | 84<br>85                |                        | -         |           | $\dashv$ | $\dashv$    | +             | +            | +                  | $\dashv$ | _                         | 134<br>135    | ┼╌┼             | +        | +      | -        |           | -         | +        |           |  |  |
| Ţ              |   | 36       |          |                     | ⇉         |          |           |          |          |                 |           |           |            | 86                      |                        | コ         | $\exists$ | $\Box$   |             |               | 1            | #                  |          |                           | 136           |                 | 上        |        |          |           |           |          |           |  |  |
|                | .                                       | 37<br>38 | -        | $\dashv$            | -         | $\dashv$ |           | _        | _        | $\vdash$        | _         | -         |            | 87<br>88                |                        | $\dashv$  | $\dashv$  | -        | $\dashv$    | $\dashv$      | +            | +                  | -        | <u> </u>                  | 137<br>138    | -               | -        | +      | $\vdash$ |           |           | +        | 긕         |  |  |
| į              |   | 39       |          |                     |           |          |           |          |          |                 |           | t         |            | 89                      |                        | $\exists$ | $\exists$ |          |             | $\perp$       | †            | +                  | 1        |                           | 139           |                 |          | +      |          |           |           | $\dashv$ | $\dashv$  |  |  |
| [              | -                                       | 40<br>41 | $\sqcup$ | $\dashv$            | $\dashv$  | $\dashv$ | _         | $\Box$   |          | dash            | _]        | f         |            | 90<br>91                | $\Box$                 | 4         | $\dashv$  | $\dashv$ | $\dashv$    | $\bot$        | $\bot$       | $\perp$            | _        |                           | 140           | $\Box$          | $\bot$   | $\bot$ |          | $\Box$    | $\neg$    | Ţ        | $\Box$    |  |  |
| . }            |   | 42       | $\vdash$ | _                   |           | _        | $\exists$ | H        |          | H               | $\dashv$  | }         |            | 91                      | Н                      | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$    | +             | +            | +                  | $\dashv$ |                           | 141<br>142    | $\vdash \vdash$ | $\dashv$ | +      | Н        | Н         | $\dashv$  | $\dashv$ | ᅱ         |  |  |
| Ĺ              |   | 43       |          | $\rightrightarrows$ |           |          |           |          |          |                 |           | ļ         |            | 93                      |                        | $\Box$    | $\dashv$  | _        | $\dashv$    | ightharpoonup | 1            | $\downarrow$       |          |                           | 143           | $\square$       |          |        |          |           | _         | #        | ╛         |  |  |
| ŀ              |   | 44<br>45 | H        | +                   | $\dashv$  | $\dashv$ |           | $\vdash$ | _        | $\vdash \vdash$ | $\dashv$  | }         |            | 94<br>95                | $\vdash$               | $\dashv$  | $\dashv$  | $\dashv$ | +           | +             | +            | +                  | $\dashv$ | $\vdash$                  | 144<br>145    | $\vdash \vdash$ | +        | +      | Н        | Н         | $\dashv$  | +        | $\dashv$  |  |  |
| Ţ              |   | 46       |          | $\Box$              | $\exists$ |          |           |          |          |                 | $\exists$ | ţ         |            | 96                      |                        | ╛         | ⇉         | 寸        |             | $\downarrow$  | 1            | $\downarrow$       |          |                           | 146           |                 | 士        | $\top$ |          |           | $\exists$ |          |           |  |  |
| }              |   | 47<br>48 | $\vdash$ | $\dashv$            | $\dashv$  |          | _         | Н        |          | $\vdash \mid$   | 4         | }         |            | 97<br>98                |                        | $\dashv$  |           | $\dashv$ | $\dashv$    | $\dashv$      | +            | +                  | -        |                           | 147<br>148    | $\vdash \vdash$ | $\perp$  | -      | $\vdash$ | $\square$ |           | -        | 4         |  |  |
| t              |   | 49       |          |                     | ╛         |          |           |          |          |                 | $\exists$ | ŀ         |            | 99                      |                        |           |           |          | _           | _             | 士            | 士                  | _        |                           | 149           |                 | $\bot$   | $\pm$  |          |           | $\exists$ | $\perp$  | $\exists$ |  |  |
| [              |   | 50       |          | $\Box$              | $\Box$    | $\Box$   |           |          |          |                 |           | [         |            | 100                     |                        | $\Box$    |           | $\Box$   | I           | $\perp$       | $\perp$      | $oxed{\mathbb{I}}$ |          |                           | 150           |                 |          |        |          |           |           | floor    | $\neg$    |  |  |